

Commercial Fertilizers for 1926

The object of this communication is to furnish prospective fertilizer consumers with advance information relative to the composition of the various brands to be offered for sale in Maryland in 1926. Do not be guided solely by price considerations, but select that brand of goods most economically adapted to your crop and soil requirements.

STATE FERTILIZER DEPARTMENT

Controlled by

UNIVERSITY OF MARYLAND

COLLEGE PARK, MD.

COMMERCIAL FERTILIZERS FOR 1926.

Compiled and edited under the supervision and direction of
N. E. Gordon, State Chemist, and L. E. Bopst, in charge
of Fertilizer, Feed and Lime Departments.

INTRODUCTION

At its last meeting, in Baltimore on October 15, 1924, the Fertilizer Advisory Committee decided to publish but one annual issue of the Fertilizer Registration Bulletin. In order that registration information might be placed in the hands of fertilizer buyers early enough to serve as a purchasing guide, the industry was requested to cooperate with the Fertilizer Department by filing all license applications before the first of January.

In accordance with the decision of the Committee, the Department issued Bulletin No. 110, entitled "Commercial Fertilizers for 1925" on January 15th of that year. The new plan met with approval, judging by remarks and letters of commendation received from fertilizer consumers. The only criticism expressed was that many brands later offered for sale had not been listed. Of the 991 brands of fertilizer licensed in 1925 only 475, or less than 50%, were registered early enough for inclusion in the bulletin. It is self-evident that the elimination of this defect is dependent upon the cooperation of the manufacturers.

It was to be expected that some firms would fail to adapt themselves to the new plan of procedure in the initial trial. In other cases manufacturers found it necessary to supplement their first estimates of the prospective demand with later registrations. In general, however, they have displayed a clear realization of the sound economic principle that the promotion of the interests of the consumer, in furnishing him a guide to intelligent buying, cannot but react to the benefit of the industry as a whole, and, consequently, to their own prosperity.

The department wishes to assure fertilizer buyers that registration information is available to them at all times and that all inquiries concerning brands licensed subsequent to the issue of this publication will be promptly answered.

Registration Comments

Several years ago State Experiment Stations, working in cooperation with fertilizer manufacturers, inaugurated a movement to reduce the number of grades of fertilizer on the market. In

furtherance of this movement the Maryland Department of Soils selected and recommended twelve mixed-fertilizer analyses which, it believes, are fitted to meet the crop and soil requirements of all sections of this State. Annual tonnage reports show that the Maryland Standard Twelve has steadily but slowly increased in popularity, as is demonstrated in Table 1.

TABLE I—Sales of the Maryland Standard Twelve, 1922-23-24.

No.	Analysis	Units of Plant Food	Tons Sold 1922	Tons Sold 1923	Tons Sold 1924
1	7-6-5	18	7,456	9,084	10,106
2	4-8-4	16	4,227	4,800	6,207
3	5-8-5	18	3,090	4,269	4,980
4	2-12-2	16	1,652	1,786	3,414
5	0-12-6	18	818	952	1,344
6	0-10-4	14	696	753	754
7	10-5-0	15	251	133	173
8	2-12-4	18	0	116	1,186
9	3-10-6	19	0	10	316
10	6-8-4	18	0	0	116
11	3-8-8	19	0	0	936
12	4-12-0	16	0	0	.1
Total tons sold.....			18,190	21,903	29,532.1
Percentage of total tonnage.....			11.6%	14.1%	19.5%

This department realizes that it would be impossible to restrict the entire tonnage sold to these twelve grades, yet it is convinced that a much closer approach to that condition is both possible and highly desirable. It is only too apparent that many buyers and manufacturers as well are still guided by habit and prejudice than by a rational consideration of crop and soil needs. Be it said in justice to the manufacturers, however, that they do not as a rule offer grades for which there is no demand.

Unprofitable Fertilizer Expenditures

Fertilizer users have not been receiving at all times the greatest possible returns for their expenditures. Two causes may be considered mainly responsible: The purchase of low grade goods, and the use of fertilizers unsuited to the end in view. The first cause

could be eliminated at will by the buyer, yet in spite of all the educational work that has been done there is still a large quantity of low grade goods sold annually. In this connection, the instigation of legislation to prohibit the manufacture and sale of mixed fertilizers containing less than fourteen units of plant food has been suggested. Similar legislation has been enacted by many other states, and this matter is now receiving the careful consideration of those interested in the promotion of agriculture in Maryland.

The second source of loss is more difficult to combat, and indicates the desirability of closer cooperation between manufacturers and buyers of fertilizer.

An examination of the fertilizer registration bulletin reveals certain facts which illustrate this statement and which prospective buyers should take into consideration at the time of making purchases. These facts may well be grouped for discussion under the term:

"Misleading Nomenclature"

The following table has been formulated from information appearing in our last fertilizer registration bulletin, and shows that to some extent at least, unwise fertilizer selections may be attributable to misleading brand names.

TABLE II

Grades sold under brand names which declare the product to be especially suited for:

Potatoes	Vegetables and Truck	Corn	Wheat
1-8-4	2-8-10 7-6-5	0-8-6	0-10-4
1-8-6	3-8-3 3-8-2	0-8-7	1-8-2
2-8-5	3-8-4 2-8-5	0-12-4	1-8-4
2-8-10	3-9-5 3-9-3	1-8-2	1-9-2
3-8-4	4-8-4 -----	1-8-4	1-9-3
4-8-4	4-8-5 -----	1-9-2	2-12-2
4-8-6	4-8-6 -----	1-9-3	2-12-4
5-6-5	5-7-3 -----	1-10-5	3-12-3
5-7-5	3-7-5 -----	3-10-6	2-8-2
5-8-5	5-8-4 -----	2-12-2	-----
6-6-8	5-8-5 -----	-----	-----
7-6-5	5-10-5 -----	-----	-----

Under the heading "Fertilizers for Potatoes" one finds twelve specific brands of goods recommended by various manufacturers as particularly suitable for the fertilization of this crop. When one considers that agricultural authorities have recommended the grade 7-6-5 for early potatoes and the grade 3-10-6 for late potatoes, it appears that unless some manufacturers have access to more reliable sources of information than the results of experiment station tests, they are deviating from the actual facts when they state that certain brands are especially adapted to the requirements of potatoes. In any case it is self-evident, in view of the wide range of grades recommended, that some of these recommendations, at least, must be ill-founded. The recommendations for vegetables and truck, corn, and wheat but serve to amplify and extend the illustration. Obviously the buyer's only safe course is to purchase on the basis of analysis and ingredients, selecting those mixtures which his own experience or the findings of agricultural investigators have demonstrated to be best suited to his needs.

Nor should the brand name be taken too seriously as an indication of the essential composition of a fertilizer. In the following table a few facts concerning sixteen fish fertilizers registered in 1925 are outlined:

TABLE III

Name of Goods and Guarantee:	Per Cent Ammonia from Fish
Fish Fertilizer, 4-8-4	0.0
Fish and Bone Compound, 2-8-3	0.4
Fish and Potash Mixture, 2-8-3	0.4-0.8
Fish, Bone and Potash, 4-8-4	0.8-1.6
Fish Mixture, 2-9-2	0.4-0.8
Fish Mixture, 2-8-5	0.67
Fish, Blood and Potash, 1 $\frac{3}{4}$ -7-2	0.58
Fish and Potash Mixture, 2-12-8	0.66
Fish and Potash Guano, 1 $\frac{3}{4}$ -7-3	0.58
Fish Mixture, 2-9-3	1.00
Fish Guano, 2-9-3	0.34-0.04
Fish, Bone and Potash, 2-8-3	.4
Fish, Flesh and Fowl, 2-8-3	0.33-0.50
Fish Mixture, 2-10-2	0.6-0.8
Fish, Bone and Potash, 2-8-3	0.4
Fish Mixture, 2-9-2	1.25

From this table the reader will note that in all except two cases considerably less than one-half of the ammonia present is actually derived from fish. In the first mixture, even though the product was called a fish fertilizer, the amount of ammonia actually derived from fish was so small that the manufacturer did not even think it worth while to declare it, while in many of the other brands the ammonia attributable to fish is practically negligible.

In number seven, "Fish, Blood and Potash Fertilizer," the only blood present is that incidental to the tankage which, taken as a whole, is only responsible for one-third of the ammonia content. Similar conditions may be noted concerning many of the other brands listed. These facts are clearly set forth in all registration bulletins and should receive the careful consideration of prospective purchasers.

We are glad to learn through the trade journals that the National Fertilizer Association, of which most fertilizer manufacturers are members, distinguished its annual convention last November by launching a campaign to correct the abuses that have been here discussed. Such a progressive step augurs well for the association and for the industry which it represents. This Department joins with all friends of agriculture in heartily endorsing the action and in the hope and belief the results thereof will be highly beneficial to the fertilizer industry and the public which it serves.

FIRMS AND BRANDS

	Ammonia						Phosphoric Acid—Available				Potash—Soluble			
	Nitrate of Soda	Sulphate	Tankage	Fish	Bone Tankage		Acid Phosphate	Tankage	Fish	Bone	Sulphate	Muriate	Kainit	Manure Salts
Agricultural Corporation of Md., Balto., Md.														
Maryland Public Formula, 4-8-7	1.3	1.3	.15	.15	1.25		8.					7.		
Maryland Public Formula, 4-8-4	1.3	1.3		.8	.8		8.					4.		
Maryland Public Formula, 2-12-2	.5	.5		.75	.75		12.					2.		
Maryland Public Formula, 2-8-5	.5	.5		.75	.75		8.					1.75		3.3
Maryland Public Formula, 5-10-5	1.75	1.75	.8	.8			10.					5.		
Maryland Public Formula, 10-5-0	4.	4.			2.		5.							
Maryland Public Formula, 6-8-8	1.	3.5	.75	.75			8.					8.		
Maryland Public Formula, 2-8-10	.5	.5		.75	.75		8.					10.		
Maryland Public Formula, 4-8-10	1.3	1.3	.5	.5	.5		8.					10.		
Maryland Public Formula, 3-12-3	1.	1.	.5	.5			12.					3.		
Maryland Public Formula, 2-12-4	.5	.5		.75	.75		12.					4.		
Maryland Public Formula, 2-8-7	.5	.5		.75	.75		8.					5.		2.
Maryland Public Formula, 0-12-5							12.							5.
Maryland Public Formula, 3-10-6	1.	1.			1.		10.					6.		
Maryland Acid Phosphate, 0-16-0							16.							
Maryland Public Formula, 5-8-7	2.	1.25	.75	.75	.3		8.					7.		
Maryland Public Formula, 5-8-5	2.	1.	.75	.75	.75		8.					5.		
Maryland Public Formula, 3-8-3	.5	.25			2.4		8.					3.		
Public Formula For Tobacco, 5-8-5	2.	1.	.75	.75	.75		8.					5.		
Public Formula For Tobacco, 5-8-7	2.	1.25	.75	.75	.3		8.					7.		
Public Formula For Tobacco, 4-8-4	1.3	1.3		.8	.8		8.					4.		
Public Formula For Tobacco, 7-6-5	2.35	2.35	.8	.8	.85		6.					5.		
Public Formula For Tobacco, 4-8-7	1.3	1.3	.15	.15	1.25		8.					7.		
Public Formula For Tobacco, 3-8-3	.5	.25			2.4		8.					3.		
Maryland Public Formula, 7-6-5	2.35	2.35	.8	.8	.85		6.					5.		

FIRMS AND BRANDS

	Ammonia						Phosphoric Acid—Available			Potash—Soluble			
	Nitrate of Soda	Sulphate	Tankage	Fish	Cyanamid	Sol. Tankage Base	Acid Phosphate	Tankage	Fish	Muriate	Kainit	Manure Salts	Tobacco Stems
American Agri. Chem. Co., New York, N. Y. (Con.)													
Detrick's Gold Basis Fertilizer, 7-6-5	.7	4.2	.7	.7	.7		5.4	.3		2.5		2.5	
Farmer's Friend Fertilizer, 2-12-4		1.	.5		.5		10.8	1.2		2.5		2.5	
Listers Harvest Queen Fertilizer, 2-8-5		2.	1.		1.		7.2	.8		2.		2.	
Listers Regal Fertilizer, 4-8-4		1.	.5		.5		10.8	1.2		2.		2.	
Listers Sovereign Fertilizer, 2-12-4		1.	.5		.5		7.2	.8		5.		5.	
Listers Golden Crown Fertilizer, 2-8-10		1.	.5		.5		8.1	.9		1.5		1.5	
Listers Success Fertilizer, 2-9-3		1.	.5		.5		8.1	.9		2.		2.	
Listers G. Brand Fertilizer, 1-9-4		.5	.25		.25		16.						
Listers High Grade Phosphate, 0-16-0							12.			2.5		2.5	
Patapasco Apex Mixture, 0-12-5		.5	.25		.25		8.1	.9		2.5		2.5	
Patapasco Coon Brand Fertilizer, 1-9-4		1.	.5		.5		7.2	.8		2.5		2.5	
Patapasco Big Chief Fertilizer, 2-8-5		1.	.5		.5		10.8	1.2		1.		1.	
Patapasco Planters Favorite Fertilizer, 2-12-2							16.						
Patapasco High Grade Acid Phosphate, 0-16-0		.5	.25		.25		8.1	.9		2.		2.	
Turner & Son Corn and Tomato Guano, 1-9-4							16.						
Wheeler's High Grade Acid Phosphate, 0-16-0							14.						
Woodbridge Florida Acid Phosphate, 0-14-0													
American Fertilizing Company, Baltimore, Md.													
Truckers' Special, 5-8-5	4.3					.7	8.					4.5	.5
Eastern Shore Potato Special, 7-6-5	6.				.5	.5	6.					4.5	.5
Double Special Brand, 4-16-6	3.1		.4		.3	.2	16.			5.		1.	
Pelican Crop Grower, 4-12-4	3.5		.1		.1	.3	12.			1.2		2.5	.3
Vegetable Special, 4-8-4	3.2				.1	.7	8.					3.5	.5
Prize Guano, 2-8-10	1.4					.6	8.					9.5	.5
Excelsior Guano, 2-8-5	1.					1.	8.					4.5	.5
Fish and Potash Compound, 2-9-3	.7			.5	.1	.7	9.					2.5	.5
Premium Grain and Clover Mixture, 2-12-2	.6				.5	.9	12.					1.8	.2
Champion Grain Grower, 1-9-4			.3			.7	9.					3.5	.5

FIRMS AND BRANDS

FIRMS AND BRANDS	Ammonia						Phosphoric Acid—Available				Potash—Soluble			
	Nitrate of Soda	Sulphate	Tankage	Fish	Bone		Acid Phosphate	Tankage	Fish	Bone	Sulphate	Muriate	Kainit	Manure Salts
American Fertilizing Co., Baltimore, Md. (cont.)														
Special Potash Mixture, 0-10-4							10.							4.
High Grade Potash Mixture, 0-12-5							12.							5.
Phospho Tobacco, 0-13-0							13.							
Acid Phosphate, 0-20-0							20.							
High Grade Acid Phosphate, 0-16-0							16.							
American South Pacific Co., New York, N. Y.														
Nitrate of Soda, 18.08-0-0			1.				8.	1.				1.6		2.4
Baugh and Sons Company, Balto., Maryland														
Excelsior Guano, 1-9-4														
Raw Bone Meal, 4½-21½T.P.A.														
Bone Meal, 3-23T.P.A.					2.5		5.			20.				
Pure Bone & Muriate of Pot. Mixt., 2½-20T.P.A.-5					1.5		3.7	1.3		5.		5.		
Half and Half Mixture with Potash, 1½-10-5							4.8					2.5		2.5
New Process 10% Guano, 10-5-0	.9	8.1	1.7	.4			6.7	1.3				2.5		
7% Potato Guano, 7-6-5	.9	5.					6.7					4.		
Peruvian Guano Substitute, 5-8-5	.9	3.	1.1				16.	1.3				4.		
Double Power Fertilizer, 4-16-4		3.5	.5				12.					4.5		2.5
Balanced Plant Food, 4-12-4		3.5	.5				6.7	1.3			4.			
Half Century Perfection Brand, 4-8-7		2.9	1.1				6.7	1.3						
Special Tobacco Guano, 4-8-4	.9	2.8	1.1	.3			6.7	1.3			4.			
Fish, Bone and Potash, 4-8-4		2.8	.9				6.7		1.3					4.
Grand Rapid Guano, 3-10-3		1.9	1.1				8.8	1.2						3.
Yucatan Tobacco Guano, 3-8-3		1.9	1.1				6.7	1.3			3.			
Commercial Superphosphate, 2-8-10		.9	1.1				6.7	1.3				10.		2.5
Complete Animal Base Fertilizer, 2-8-5		.9	1.1				6.7	1.3				2.5		2.5
Special Potato Manure, 2-8-5		.9	1.1				6.7	1.3				2.5		2.5
Double Eagle Phosphate, 2-12-4		1.5	.5				11.5	.5				4.		

FIRMS AND BRANDS

	Ammonia						Phosphoric Acid—Available			Potash—Soluble		
	Nitrate of Soda	Sulphate	Tankage	Fish	Cyanamid	Garbage Tankage	Dry Ground	Acid Phosphate		Muriate	Kainit	Manure Salts
Central Chemical Company, Hagerstown, Md.												
"Gro-All" Dissolved Phosphate, 0-16-0								16.				
"Gro-All" Potash Special, 0-12-5								12.				5.
"Gro-All" Grain and Grass Grower, 2-12-2		1.	.5		.5	.5		12.				2.
"Gro-All" Excelsior, 2-8-5		1.			.5			8.				5.
"Gro-All" Potato Special, 4-8-7	.5	2.	1.	.5				8.		2.		5.
Diamond Fertilizer Company, Baltimore, Md.												
A-1 Alkaline Compound, 0-12-5								12.				5.
All Crop Grower, 2-8-5		1.	.5		.25	.25		8.				5.
Crop Booster, 1-9-4			.5		.25	.25		9.				4.
Fish and Potash Mixture, 2-9-3		1.	.5	.25	.25			9.				3.
7% Potato Guano, 7-6-5	1.	4.5	1.		.5			6.		5.		
Wonder Grower, 5-8-5	.5	2.75	1.		.5	.25		8.		5.		
Davey Tree Expert Company, Kent, Ohio												
Davey Tree Food, 6-8-3		2.5					3.5	8.		3.		
Devilbliss Brothers, New Windsor, Maryland												
Acid Phosphate, 0-16-0								16.				
Butcher House, 1-10-5		1.						10.		2.5	2.5	
Wheat Grower, 1-9-3		1.						9.		3.		
Farmers Fert., and Feed Co., Westminster, Md.												
Potato Grower, 2-8-5	1.	.7				.3		8.				5.
Farmers Favorite, 1-10-5		.7				.3		10.		5.		
XXX, 1-9-3		.7				.3		9.			3.	
XXX, 1-9-4		.7				.3		9.		2.	2.	
Acid Phosphate, 0-16-0								16.				
Acid and Potash, 0-12-5								12.				5.
Fall Mixture Potato Grower, 2-8-5		1.6				.4		8.				5.

FIRMS AND BRANDS	Ammonia						Phosphoric Acid—Available				Potash—Soluble		
	Nitrate of Soda	Sulphate	Tankage	Fish	Bone	Base Goods	Acid Phosphate	Tankage	Fish	Bone	Muriate	Kainit	Manure Salts
Ford Motor Company, Detroit, Michigan													
Ammonium Sulphate, 25.30-0-0													
Frederick Mehring Fert. Wks. Inc., Keymar, Md.													
Acid Phosphate, 0-16-0							16.				10.		
Special Pea Mixture, 0-12-10							12.				2.5		2.5
Potash Mixture, 0-12-5	.5		.5				9.				2.5	3.	2.5
Big Four, 1-9-3	1.		1.				8.						
Mammoth Truck Grower, 2-8-5													
Griffith and Boyd Company, Baltimore, Md.													
Royal Potash Guano, 1-9-4			.5			.5	8.9	.1			1.5	1.	2.5
Peerless Fertilizer, 1-10-3			.5			.5	9.9	.1		10.	3.		2.
Dissolved Animal Bone and Potash, 2½-10-3					2.5								
High Grade Acid Phosphate, 0-16-0	.5	.5	1.				16.	.1			3.	1.	2.
Special Guano, 2-8-5							10.				2.		3.
XX Potash Manure, 0-10-5	.5	.5	.5	.5			11.8	.1	.1		3.		1.5
High Grade Fish and Potash Mixture, 2-12-8	.5	.5	.5	1.		1.5	7.8	.1	.1		3.		3.
Special Potato Guano, 4-8-6	.25		1.	.5			9.8	.1	.1		.5		
Fish and Potash Guano, 1.75-10-3	.25		1.	.5			10.	.15	.1				
Fish, Blood and Potash, 1.75-10¼-2													
Pure Fine Ground Bone Meal, 4½-20 T. P. A.													
Kainit, 0-0-12.40							12.				2.		3.
Special Grain Grower, 0-12-5							7.9	.1			10.		
Gilt Edge Crop Guano, 2-8-10	.5	.5	.5			.5							
Muriate of Potash, 0-0-48							7.9	.1			3.	1.	3.
Farmers Potato Manure, 1-8-6			.5			.5	9.9	.1					1.5
Farmers Queen, 1½-10-2½			.75	.75		.75							

FIRMS AND BRANDS

	Ammonia						Phosphoric Acid—Available			Potash—Soluble		
	Nitrate of Soda	Sulphate	Tankage	Fish	Cyanamid	Blood	Acid Phosphate			Muriate	Kainit	Manure Salts
Horsley Roe and Company, Greensboro, Md.												
0-12-5	1.25		.75				12.			3.	2.	
3-8-4	1.		1.5		1.		8.			2.	2.	
Tomato F, 3-8-8	2.5		1.5		.5		8.			8.		
5-8-5	1.		1.		1.		8.			5.		
2-8-5							8.			2.	3.	
Corn Grower, 0-8-7							8.				7.	
Crop Grower, 1-9-4			1.				9.				4.	
Acid Phosphate, 0-16-0							16.					
Hubbard Fertilizer Co., Baltimore, Maryland												
7% Royal Seal, 7-6-5	1.	3.5	2.		.5		6.			5.		
New 5% Seal, 5-8-5	1.	1.5	2.		.5		8.			5.		
Farmers IXL, 2-9-3		.5	1.		.5		8.			2.		3.
Money Maker Fertilizer, 2-8-5		.5	1.		.5		8.					3.
Fertilizer, 1-9-4			.5		.5		9.					4.
Alkaline, 0-12-5							12.			2.		3.
Acid Phosphate, 0-16-0							16.					
Huston, Culver and Co., Inc., Seaford, Del.												
7-6-5	1.5	3.5	1.				6.			5.		
Strawberry Mixture, 5-8-5	1.	2.	1.	1.			8.			5.		
Truck Guano, 4-8-5	1.	1.	1.	1.			8.			5.		
Trucker, 3-8-5		1.5	1.	.5			8.			5.		
Tomato Mixture, 2-8-5	.5		1.5				8.			2.5		2.5
Fish Mixture, 2-9-3			1.	1.			9.				3.	
Huston Special, 1-9-4			1.				9.					4.
Sussex Special, 2-8-10			1.5	1.			9.					
Double Potash Mixture, 0-12-5	.5						12.			10.		2.5
Wheat Special, 0-10-4							10.			2.5		4.
Acid Phosphate, 0-16-0	.5	.5	1.				16.					
Sweet Potato Mixture, 3-8-8				1.			8.			8.		

FIRMS AND BRANDS	Ammonia						Phosphoric Acid—Available			Potash—Soluble			
	Nitrate of Soda	Sulphate	Tankage	Bone	Blood	Cyanamid	Humus	Acid Phosphate		Bone	Muriate	Kainit	Manure Salts
Independent Manufacturing Co., Phila., Pa.													
7% Fertilizer, 7-6-3	1.	2.5	1.	1.	1.5			3.5		2.5	2.		1.
5-8-7		2.5	1.	.5	1.			5.5		2.5	4.		3.
4-8-5		2.	1.	.5	.5			5.		3.	2.		3.
2-8-5		1.5				.5		8.					5.
Medford Fertilizer Works, Medford, Maryland													
2-8-5		1.	1.				.5	8.			2.5		2.5
1-10-5			.5				.5	10.				5.	
1-9-4			.5				.5	9.				4.	
1-8-5			.5				.5	8.				5.	
Miller Fertilizer Company, Baltimore, Md.													
No. 1 Potato and Vegetable Grower, 4-8-4	.5	2.5	1.			.5		8.					4.
2-8-5		.5				.5		8.			2.		3.
Vegetable Compound, 5-8-5		1.5	2.			.5		8.			5.		
High Grade Potato Fertilizer, 7-6-5	1.	3.5	2.			.5		6.			5.		4.
Harvest Queen, 1-9-4		.5						9.					
Acid Phosphate, 0-16-0								16.					
Pimlico, 2-8-10		.5	1.			.5		8.			10.		3.
0-12-5								12.			2.		

COMMERCIAL FERTILIZERS FOR 1926.

19

FIRMS AND BRANDS

	Ammonia						Phosphoric Acid—Available			Potash—Soluble			
	Nitrate of Soda	Sulphate	Tankage	Fish	Cyanamid	Sol. Tankage Base	Acid Phosphate			Sulphate	Muriate	Manure Salts	Tobacco Stems
Raisin-Monumental Company, Baltimore, Md.													
Capital Grain and Clover Compound, 2-12-2		.6			.5	.9	12.					1.8	.2
Seawall Truck Compound, 5-8-5	4.3				.3		8.					4.5	.5
Eastern Shore Potato Special, 7-6-5	6.				.5	.5	6.					4.5	
Double Royal Brand, 4-16-6		3.1	.4		.3	.2	16.				5.	1.	
High Analysis Grain Grower, 4-12-4		3.5	.1		.1	.3	12.				1.2	2.5	.3
Victoria High Grade Guano, 4-8-4		3.2			.1	.7	8.					3.5	.5
High Grade Truck Compound, 4-8-7		3.5				.5	8.				2.	4.5	.5
Vegetable Special, 2-8-10		1.4				.6	8.					9.5	.5
Hope Brand, 2-12-4		1.5			.1	.4	12.					3.5	.5
Universal Crop Manure, 2-8-5		1.				1.7	8.					4.5	.5
Royal Fish and Potash Mixture, 2-9-3		.7		.5	.1		9.					2.5	
High Grade Potash Mixture, 0-12-5							12.					5.	
Special Potash Mixture, 0-10-4							10.					4.	
Acid Phosphate, 0-16-0							16.						
Phosphate and Lime Mixture, 0-13-0							13.						
Phospho Tobacco, 0-13-0							13.						
Acid Phosphate, 0-20-0							20.						
F. S. Royster Guano Co., Baltimore, Md.													
Acid Phosphate, 0-16-0							16.					5.	
Phosphate and Potash, 0-12-5							12.					4.	
Rational Guano, 1-9-4		.5	.3	.2			9.					3.	
Fish, Flesh and Fowl, 2-9-3		1.2	.6	.2			9.					5.	
Bully Guano, 2-8-5		1.2	.6	.2			8.					5.	
Banner Guano, 2-8-10		1.2	.6	.2			8.				5.	5.	
Gem Guano, 2-12-4		1.2	.6	.2			12.				4.	4.	
Ideal Guano, 3-8-8		1.8	.9	.3			8.				3.	5.	
Rustic Guano, 3-12-3		1.8	.9	.3			12.				3.		
Truckers Delight, 4-8-4	2.4	1.25	.35				8.					4.	

FIRMS AND BRANDS	Ammonia						Phosphoric Acid—Available			Potash—Soluble		
	Nitrate of Soda	Sulphate	Tankage	Fish	Bone	Cyanamid	Garbage Tankage	Hoof & Horn Meal	Acid Phosphate	Tankage	Sulphate	Muriate
F. S. Royster Guano Co., Balto., Md. (Cont.)												
Quality Trucker, 4-8-7		2.4	.85	.35				.4	8.			
Verbena Guano, 5-8-5		3.	1.	.4				.6	8.			5.
Arrow 7% Potato Guano, 7-6-5		3.4	1.9	.7					6.			5.
Pure Raw Bone Meal, 4½-21½, T.P.A.	1.											2.5
Nitrate of Soda, 18.24-0-0												
Muriate of Potash, 0-0-48												
Genuine German Kainit, 0-0-12.40												
Reindollar Company, Taneytown, Maryland.												
Grain Grower, 2-10-5	1.		1.						10.			
Acid Phosphate, 0-16-0									16.			
Rock and Potash, 0-12-6									12.			5.
R. H. Slingsluff Fertilizer Co., Baltimore, Md.												
Edelens 10% Toba. Bed Spec. with 2% Pot., 10-4-2		6.4	3.				.6		3.5	.5		2.
10% Tobacco Bed Special with 2% Potash, 10-4-2		6.4	3.				.6		3.5	.5		2.
Big and Bright Tobacco, 4-8-5		1.8	2.				.2		7.5	.5	5.	
LeRoy V. Strasburger, Baltimore, Maryland.												
Culture for Alaska and Sweet Peas												
Thomas and Company, Frederick, Maryland.												
Acid Phosphate, 0-16-0			1.1		.4	.5			16.			2.5
Wheat and Grass Grower, 2-8-5									8.			5.
Alkaline Bone, 0-12-5									12.			1.
Crop Grower, 1-8-1			1.						8.			3.
Plant Food, 1-9-3			1.						9.			2.
Blood and Bone, 2-8-2	.4		.7		.4	.5			8.			2.
Harvest Queen, 1¼-10-2	.5		.5			.25			10.			2.

COMMERCIAL FERTILIZERS FOR 1926.

21

FIRMS AND BRANDS	Ammonia						Phosphoric Acid—Available			Potash—Soluble		
	Nitrate of Soda	Sulphate	Tankage	Fish	Cyanamid		Acid Phosphate	Tankage		Muriate	Kainit	Manure Salts
Wm. B. Tilghman Company, Salisbury, Md.												
Irish P Guano, 7-6-5	.7	3.5	1.4	1.4			6.			4.5		.5
Topdressing Mixture, 6-6-6	2.4	3.5	.6				6.			6.		
Early Truck Guano, 5-8-5	.5	2.5	1.	1.			8.			5.		
"S P" Mixture, 3-8-8		1.5	.75	.75			8.			8.		
High Grade Potash Mixture, 2-8-10		.8	.6	.6			8.			10.		
Special, 2-8-5		.8	.6	.6			8.			3.	.5	1.5
"Standard", 2-10-4		.8	.6	.6			10.			2.4	.4	1.2
Special 4-8-8		2.	1.	1.			8.			8.		
Special Corn Fertilizer, 1-10-5		.3	.35	.35			10.			3.	.5	1.5
Mixture "B", 4-8-4		2.	1.	1.			8.			3.6	.4	
F. W. Tunnell and Co., Inc., Philadelphia, Pa.												
Acid Phosphate, 0-16-0							16.					
Kainit, 0-0-12												
Veribest Cereal Manure, 2-8-5		.5	1.5				7.	1.				5.
Wheat and Cereal Manure, 1-9-4			1.				7.5	1.5				4.
Fish Manure with Potash, 2-10-6			.5	.75			8.5	1.5		6.		
Nassau County Potato Manure, 5-8-5	1.	2.	1.5		.5		7.	1.		5.		
Virginia Potato Manure, 7-6-5	1.5	3.25	1.25		1.		5.	1.		5.		
Potash Manure, 0-12-5							12.			1.		4.

FIRMS AND BRANDS

	Ammonia						Phosphoric Acid—Available			Potash—Soluble			
	Sulphate	Tankage	Fish	Garbage Tankage	Bone	Cyanamid	Sol. Tankage Base	Acid Phosphate	Fish	Muriate	Kainit	Manure Salts	Tobacco Stems
Valliant Fertilizer Company, Laurel, Delaware													
Big 4, 4-8-4	2.5		.5	.5		.5		8.		2.	2.	2.	
Diamond, 2-8-5	1.25		.25	.25		.25		8.		3.		5.	
Harvest, 0-12-5								12.				2.	
Arcadia, 5-8-5	3.5		.5	.5		.5		8.		3.			
Quality, 3-10-6	1.75		.5	.25		.5		10.		4.	2.		
Progress, 3-8-8	1.75		.5	.25		.5		8.		5.5		2.5	
Jewel, 7-6-5	4.5		1.25	.75		.5		5.75	.25	3.		2.	
Acid Phosphate, 0-16-0								16.					
Fam us, 1-9-4													
Virginia-Carolina Chemical Co., Balto., Md.													
Phosphate and Lime Mixture, 0-13-0								13.					
Acid Phosphate, 0-16-0								16.				4.	
Special Potash Mixture, 0-10-4								10.				5.	
High Grade Potash Mixture, 0-12-5		.3					.7	9.				3.5	.5
Electric Brand, 1-9-4	.6					.5	.9	12.				1.8	.3
Roan Steer Guano No. 2, 2-12-2	.7				.1		.7	9.				2.5	.5
Fish, Bone and Potash, 2-9-3	1.4		.5				1.	8.				4.5	.5
Blue Ribbon Fertilizer, 2-8-5	1.7						.6	8.				9.5	.5
Eureka Brand, 2-8-10	3.2					.1	.7	8.				3.5	.5
Champion Brand, 4-8-4	3.5	.1				.1	.3	12.				3.5	.5
Plow Brand Guano, 4-12-4	4.3						.7	8.				4.5	.5
Virginia Trucker, 5-8-5	6.					.5	.5	6.				4.5	.5
Tinsley's 7% Truck Fertilizer, 7-6-5	4.7	.5				.5	.3	18.		6.		4.5	.5
Super Thirty, 6-18-6								13.					
Phospho Tobacco, 0-13-0								20.					
Acid Phosphate, 0-20-0													

FIRMS AND BRANDS

	Ammonia							Phosphoric Acid— Available				Potash—Soluble			
	Nitrate of Soda	Sulphate	Tankage	Garbage Tankage	Fish			Acid Phosphate				Sulphate	Muriate	Kainit	Manure Salts
Worcester Fertilizer Company, Snow Hill, Md.															
Correct Plant Food, 2-10-2		1.25	.6	.15				10.						2.	
Correct Plant Food, 5-8-5	.9	2.5	1.		.6			8.					4.	1.	1.
Correct Plant Food, 7-8-5	.7	3.7	1.4		1.2			6.					4.		
Correct Plant Food Acid Phosphate, 0-16-0								16.							
York Chemical Works, York, Pennsylvania.															
Standard, 2-8-5	.5	1.		.5				8.							5.
Twelve and Five								12.							5.
Standard Potash, 1-9-4	.5	.5						9.							4.
Two-Twelve-Four	.5	1.		.5				12.					1.		3.
Acid Phosphate, 0-16-0								16.							
Garden Fertilizer, 5-8-5		5.						8.				5.			